FIG. 1A

Region I

38	39	40	41	42	43	44
TGT	ACA	GAA	ATG	GAA	AAG	GAA
		G	***T***	G	A	
			C		G	

FIG. 1B

Region II

47	48	49	50	51	52	53
ATT	TCA	AAA	ATT	GGG	CCT	GAA
		G	***G***			
			C			
			C			

FIG. 1C

Region III

65	66	67	68	69	70	71	72
AAA	AAA	GAC	AGT	ACT	AAA	TGG	AGA
G	G	***A***		A	***G***		
				A	G		
				GA			
				G			

FIG. 1D

Region IV

73	74	75	76	77
AAA	TTA	GTA	GAT	TTC
G	***G***	G	C	
		AC		

FIG. 1E

Region V

148	149	150	151	152	153	154
GTG	CTT	CCA	CAG	GGA	TGG	AAA
	C		***AT***			
	G	G	A			
			T			

FIG. 1F

Region VI

180	181	182	183	184	185	186	187
ATC	TAT	CAA	TAC	ATG	GAT	GAT	TTA
		G	T	A	C	G	GG
				G			G
	G			G			

FIG. 1G

Region VII

212	213	214	215	216
TGG	GGA	TTT	ACC	ACA
	G	C	T	
		A	***TA***	
		C	***TT***	

FIG. 1H

Region VIII

217	218	219	220
CCA	GAC	AAA	AAA
	T	G	G
		C	
		G	

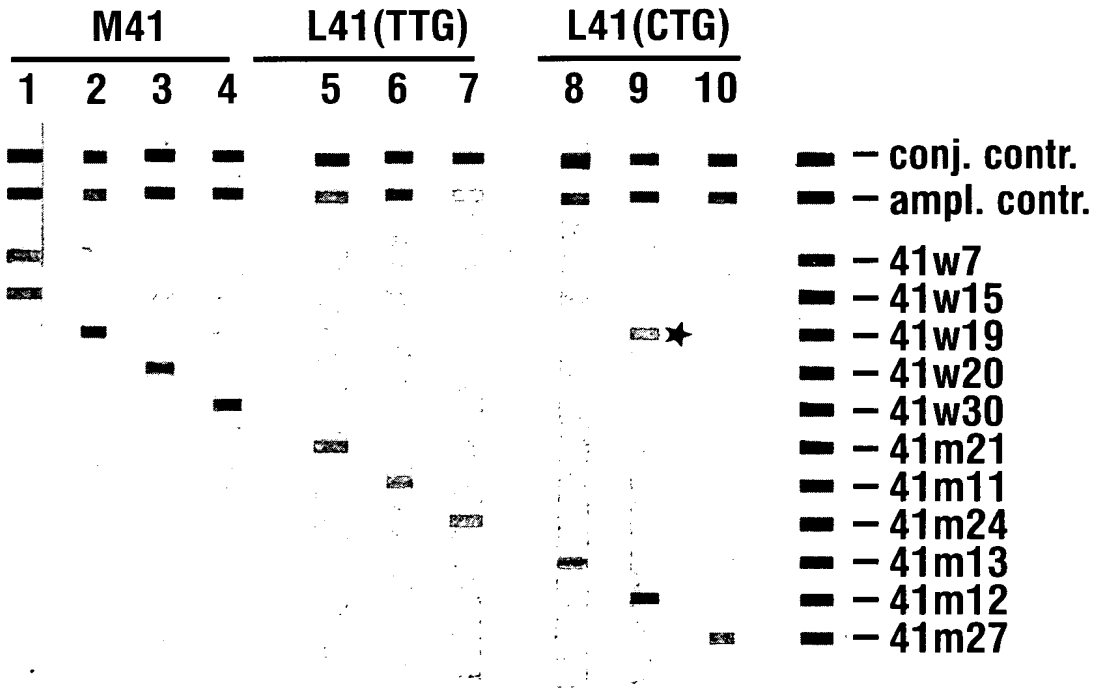


FIG. 2A

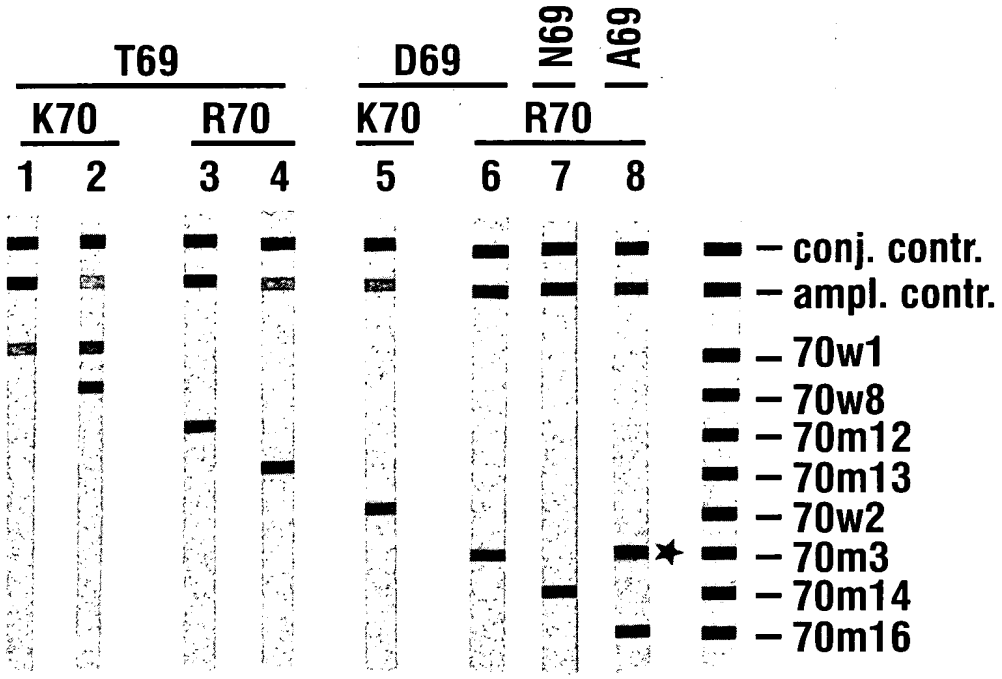

T69
D69
N69
A69
K70
R70
K70
R70
1
2
3
4
5
6
7
8
conj. contr.
ampl. contr.
70w1
70w8
70m12
70m13
70w2
70m3
70m14
70m16

FIG. 2B

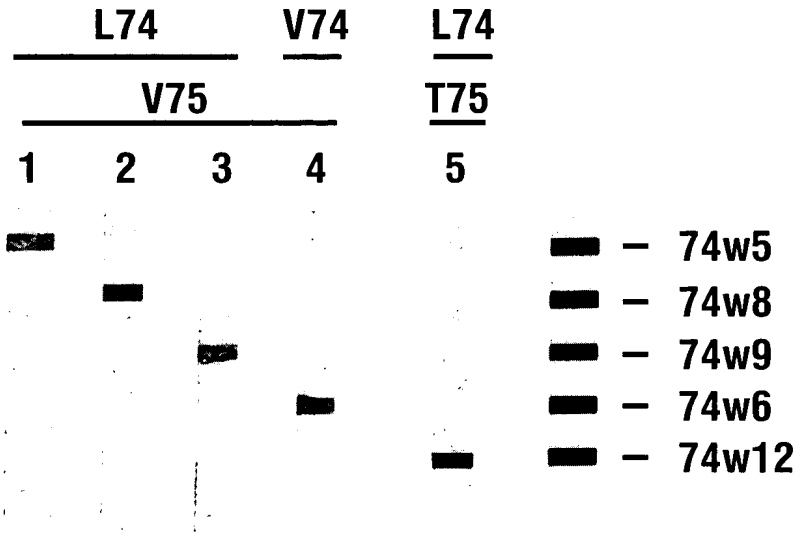

L74
V74
L74
V75
T75
1
2
3
4
5
74w5
74w8
74w9
74w6
74w12

FIG. 2C

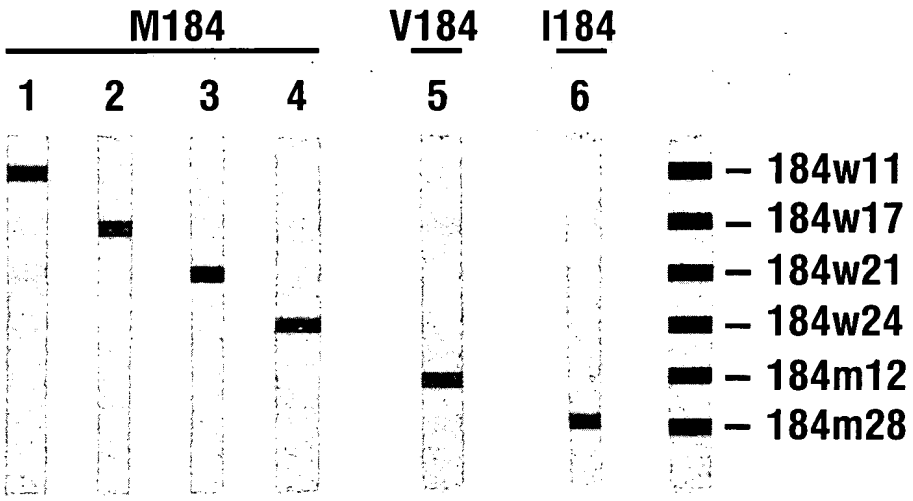

M184
V184
I184
1
2
3
4
5
6
– 184w11
– 184w17
– 184w21
– 184w24
– 184m12
– 184m28

FIG. 2D

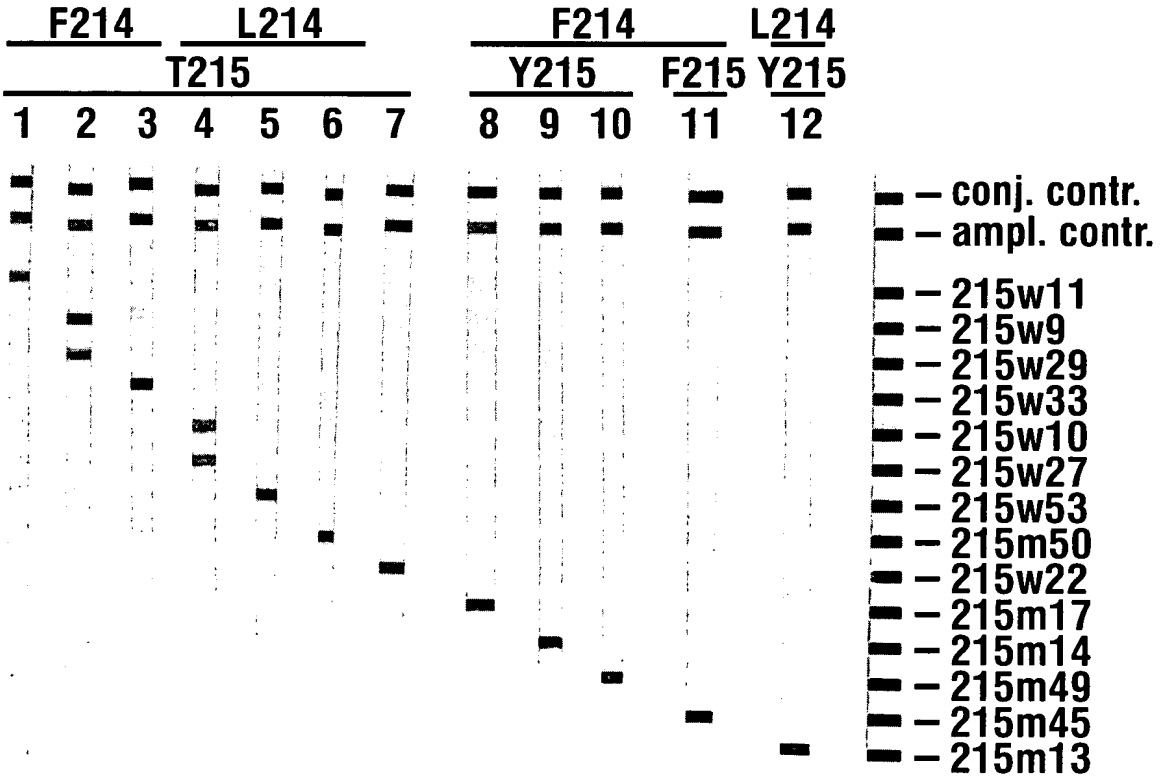

F214
L214
T215
F214
L214
Y215
F215
Y215
1
2
3
4
5
6
7
8
9
10
11
12
– conj. contr.
– ampl. contr.
– 215w11
– 215w9
– 215w29
– 215w33
– 215w10
– 215w27
– 215w53
– 215m50
– 215w22
– 215m17
– 215m14
– 215m49
– 215m45
– 215m13

FIG. 2E

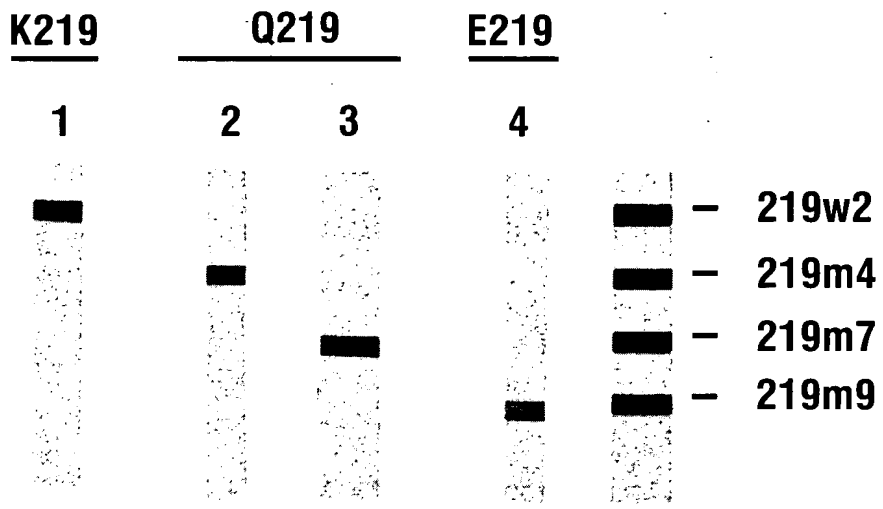


FIG. 2F

FIG. 3A

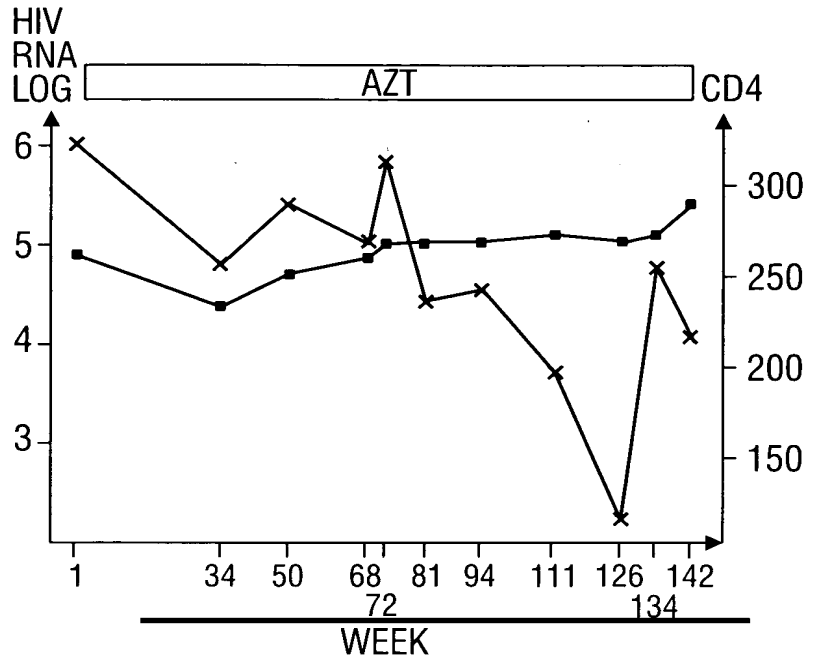


FIG. 3B

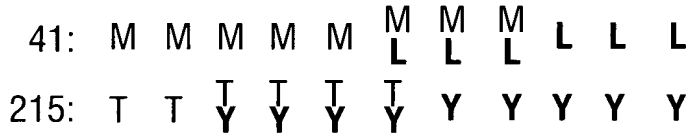


FIG. 3C

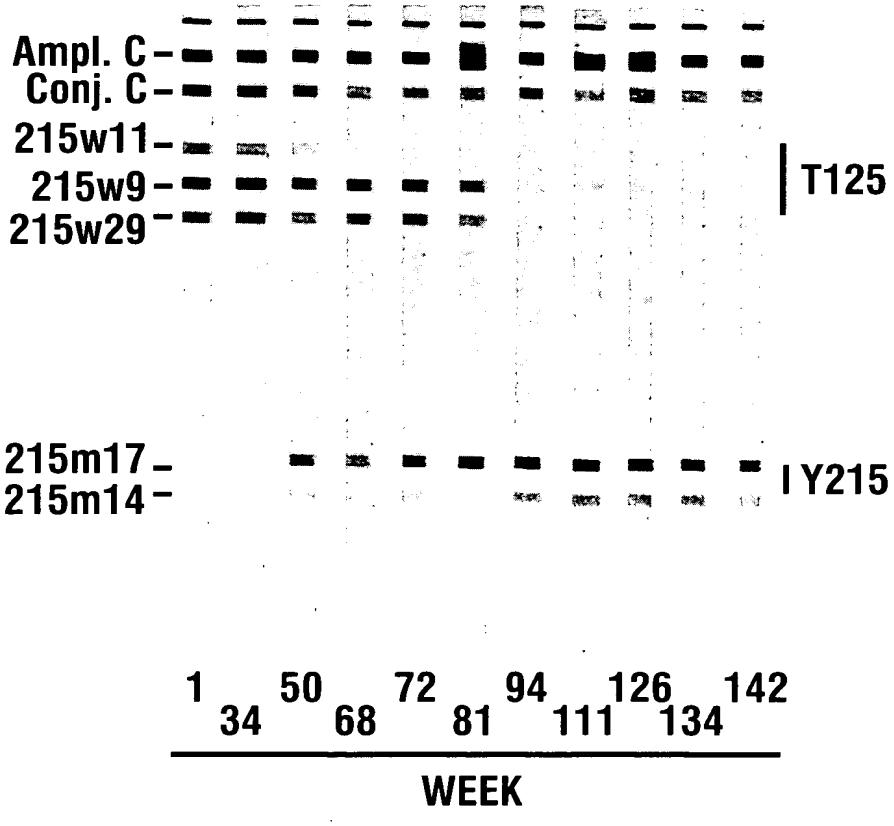


FIG. 3D

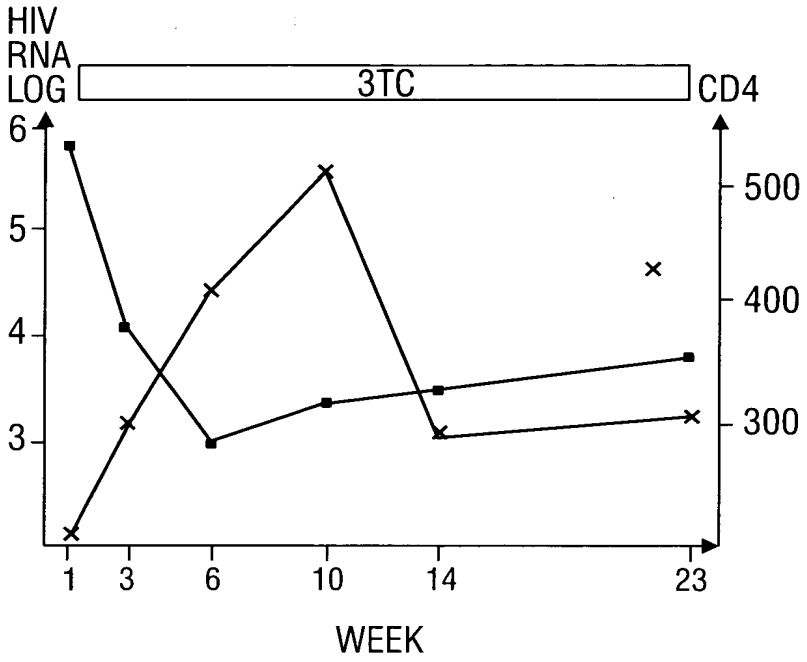


FIG. 3E

FIG. 3F

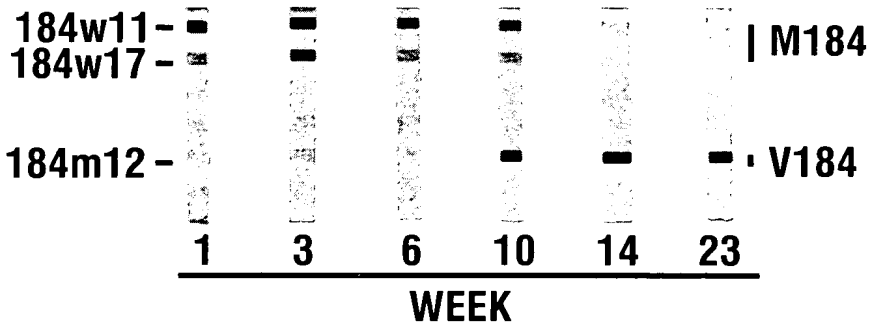


FIG. 3G

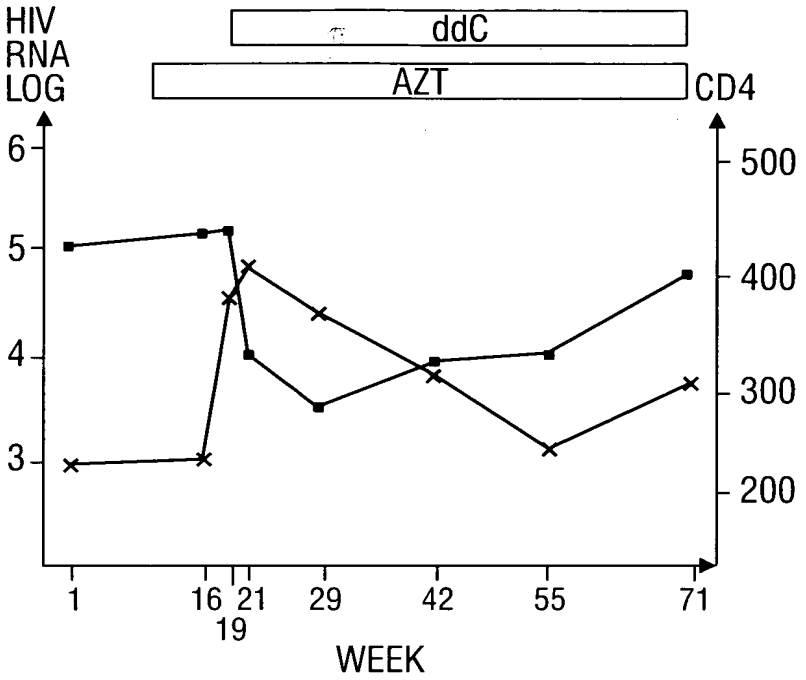
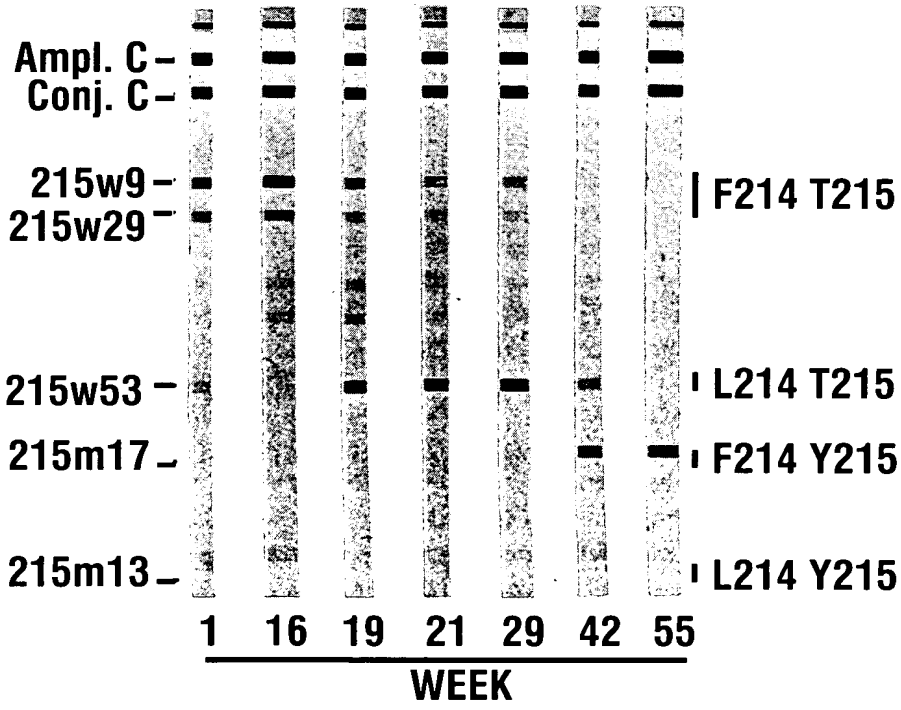


FIG. 3H

70:	K	K	K	K	K	K **R**	**R**
214:	F	F **L**	F **L**	**L**	**L**	F **L**	F
215:	T	T	T	T	T	T **Y**	**Y**
219:	K	K	K	K	K	K	K **E**

FIG. 3I



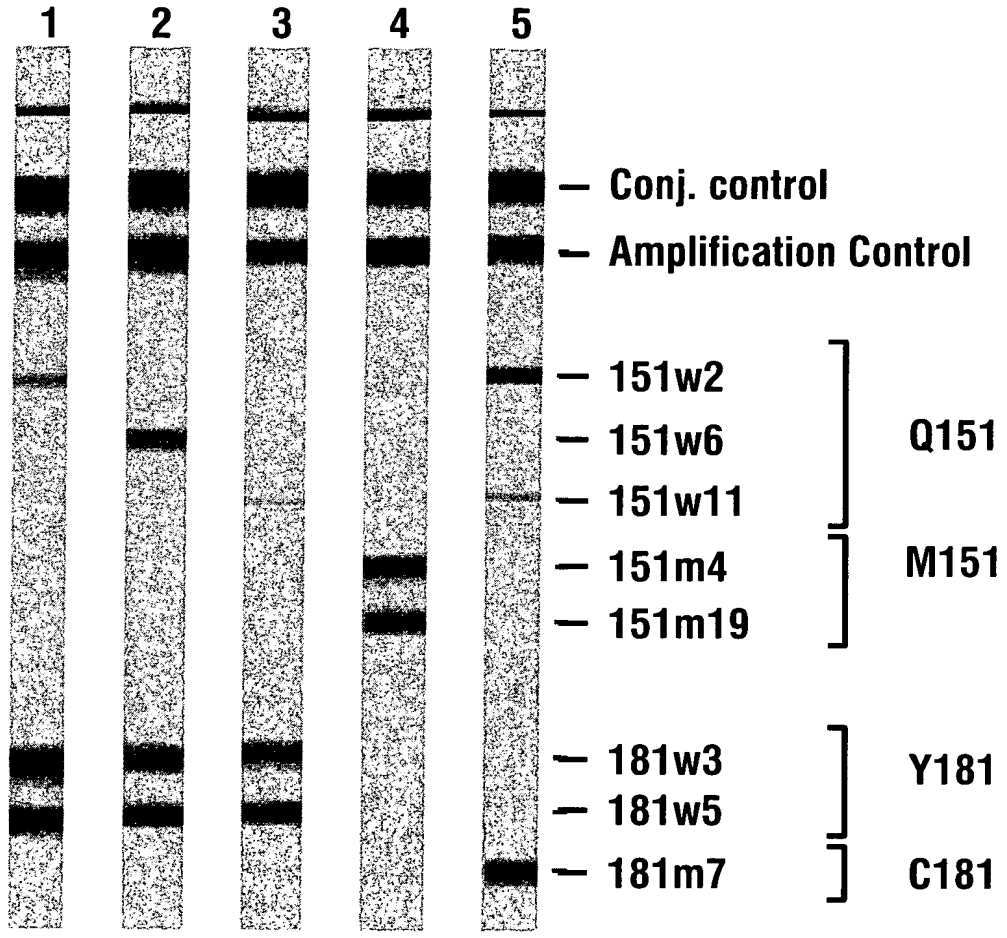

1
2
3
4
5
Conj. control
Amplification Control
151w2
151w6
151w11
Q151
151m4
151m19
M151
181w3
181w5
Y181
181m7
C181

FIG. 4